WHAT IS CLAIMED IS:

- An automotive alternator comprising:
 - a rotor fixed to a shaft rotatably supported in a case; and
 - a stator provided with:
 - a cylindrical stator core supported in said case so as to envelop said rotor, slots extending axially being formed in said stator core so as to line up in a circumferential direction at a ratio of two per phase per pole; and
 - a stator winding constructed by installing a conductor wire coated with an electrical insulator in said stator core,

a relationship between a radial dimension (d) of said conductor wire coated with said electrical insulator and a circumferential width dimension (L) of said slots being 2d < L.

- The automotive alternator according to Claim 1 wherein a cross section of said slots taken along a radial direction has a rectangular shape.
- The automotive alternator according to Claim 1 wherein a width dimension (s) of an opening portion of said slots is 1.5 or more times a radial dimension (d) of said conductor wire.
- 4. The automotive alternator according to Claim 1 wherein an inner circumferential corner portion of a radially-wide flange portion on a tip portion of a tooth between said slots has a curved shape.
- The automotive alternator according to Claim 1 wherein an electrically-insulating resin layer is formed on an inner wall surface of said slots.

- 6. The automotive alternator according to Claim 1 wherein first and second three-phase alternating-current windings are constructed by installing a plurality of said conductor wires in said slots, a predetermined number of said conductor wires being bundled together.
- The automotive alternator according to Claim 1 wherein a deforming cylindrical plug is disposed inside an opening portion of said slots.
- 8. The automotive alternator according to Claim 1 wherein a deforming hollow cylindrical plug is disposed inside an opening portion of said slots.
- The automotive alternator according to Claim 1 wherein a deformable plug is disposed inside an opening portion of said slots.
- The automotive alternator according to Claim 9 wherein a cut portion is formed in said plug.
- The automotive alternator according to Claim 4 wherein shapes of first and second circumferential end portions of said flange portion are asymmetrical.
- 12. The automotive alternator according to Claim 7 wherein a varnish portion is disposed on an inner circumferential side of said plug.